

Intorduction

TerraTrees Plugin Can Place Any Kind Of Vegetation On Terrain Just The Way They Are In Real World. You Can Achieve The Most Complicated And Realistic Scenes By Using Options Such As: Placement Based On Maps, Single Or Multiple Tree Type Selection, Tree Model Variations In Size, Color, Position, DensityAnd Total Number, Environment Settings Which Includes Steepness Range & Elevation Range For Placement And etc.

TerraTrees Placement Is Based On 3 Conditions:

INTELLIGENT TREES: No need for Vegetation Maps, TerraTrees will use Terrain area's Satellite Image as the map to detect vegetation areas based on an automatic process.

MAPPING TREES: You need A Vegetation Map whether created by you yourself in Image Editing Programs or got them by available online/offline resources which produce these maps. Then you have to select Color Picker to assign vegetation areas.

NORMAL TREES: No Images or Maps required at all. It's an option if you want your vegetation to take place on the entire terrain.

Terrain & Map

Important Insert The Terrain That Has To Be Filled With Vegetation

Important Insert The Satellite Image/Tree Map For Vegetation Zones

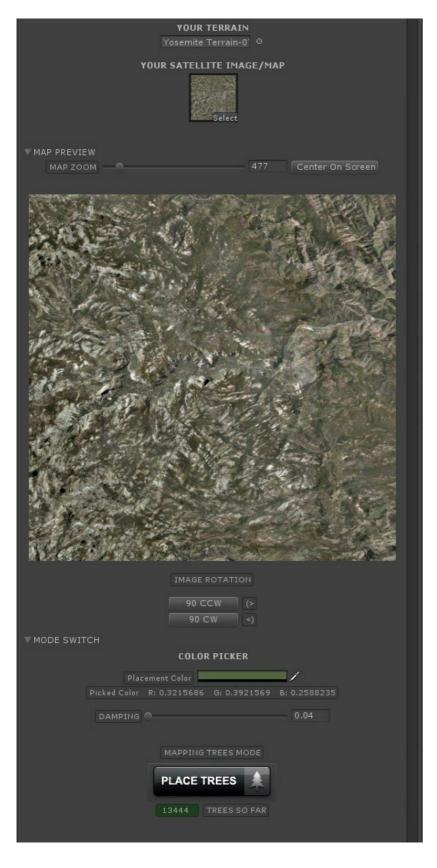
Optional Enable/Disable "MAP PREMEW" And Zoom In And Out To Check The Map

Optional Rotate The Image 90 Degrees CCW (Counter Clock Wise) If You Haven't Done That Already

Optional Enable "MODE SWITCH" If You Want To Switch To "MAPPING TREES" Mode Or Leave It Disabled For "INTELLIGENT TREES" Mode

Optional If You Are In "MAPPING TREES" Mode, Pick Desired Placement Color With Favorable Damping Factor

Important Press "PLACE TREES" When You Are Satisfied With The Settings



Vegetation Preview

In "VEGETATION PREVIEW" You Can Control Terrain Trees Settings For Preview

Optional Activate/Deactivate Vegetation Preview

Optional Turn On/Off To Show Or Hide Trees On Terrain

Optional Set Terrain Trees View Distance

Optional Set Terrain Trees Billboard Start

Optional Set Terrain Trees Fade Length

Optional Set Terrain Trees Max Mesh Models

Optional Turn On/Off "ADVANCED MODE" To Run/Bypass Unity Editor Undo Operations



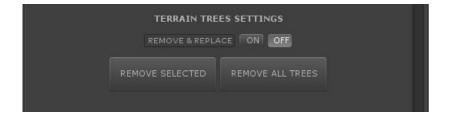
Terrain Trees Settings

Options To "Remove & Replace", "Remove Selected", "Remove All" And "Keep & Add" Vegetation On Terrain

Optional Turn On/Off "REMOVE & REPLACE" While Placing New Trees On Terrain

Optional Press "REMOVE SELECTED" To Remove Placed Vegetation Type Selected In Preview Pane

Optional Press "REMOVE ALL TREES" To Remove All Placed Vegetation Models From Terrain



Trees Manager

"TREES MANAGER" Will Control Terrain System Tree Prorotypes By 3 Options Of "Add", "Remove" And "Replace".

Important Insert Vegetation Model For Adding To The Terrain System

Important Press "ADD" To Add The Inserted Vegetation Model To The Terrain System

Optional Press "REMOVE" To Remove Preview-Selected Vegetation Model From Terrain System

Optional Press "REPLACE" To Remove Preview-Selected Vegetation Model From Terrain System



Tree Selection

Here You Can Preview Terrain System Tree Models And Choose Between "Single" & "Collection" Trees For Single Or Multiple Simultaneous Tree Placement.

Optional Slide Through Terrain Trees To See Preview & Tree Bending Of The Selected Model

Important Turn On/Off "TREE COLLECTION" To Switch Between Single Or Multiple Simultaneous Tree Placement

Optional Enable "USE ALL TREES" Or Manually Select Mn/Max Tree Types With Priority Option From The List



Tree Variation

There Are Various Random Algorithms To Change The Placement And Shape Of Vegetation Models.

Important Set Width/Height Initial Scale & Variation For The Placing Trees

Important Set "Colors Variation" Factor With "OVERRIDE" Feature To Switch Between Off, Greenish, Reddish And Bluish

Important Set "NATURAL PLACEMENT" Value To Increse/Decrease Random Position Of Placing Trees - 0 Means Row Placement

Important Set Placement Density Percentage

Important Set Maximum Number (Limit) Of Placing Trees



Environment Settings

To Get The Most Realistic Scenes Which Include Vegetation, There Are 2 Main Options Of "STEEPNESS RANGE" & "ELEVATION ZONE" To Set Them For The Scene.



Steepness Range

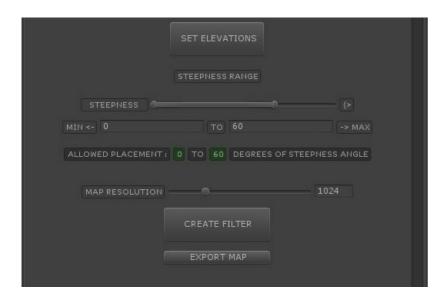
Define ASteepness Range And Select Mnimum And Maximum Steepness Degrees Which Vegetation Placement Will Occur Over Those Areas On Terrain.

Important Press "SET ELEVATIONS" To Activate "ENVIRONMENT SETTINGS" And Calculate Elevations

Important Set "Steepness Range" Which Placement Is Allowed In This Steepness Degrees Range

Important Select Desired "Steepness Filter" Resolution And Press "CREATE FILTER" To Show Placement Zones On Terrain In Editor

Important Press "EXPORT MAP" To Export "Steepness Map" As APNG Image File With Specified Resolution



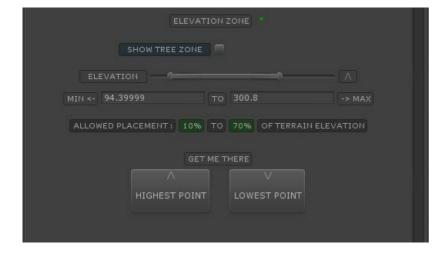
Elevation Zone

Define An Elevation Range And Select Minimum And Maximum Elevations Which Vegetation Placement Will Occur Over Those Areas On Terrain.

Important Show/Hide Tree Zone Set By "Elevation Range"

Important Set "Elevation Range" Which Placement Is Allowed In This Elevation Range

Important Press "HIGHEST POINT" or "LOWEST POINT" To Take The Editor Camera To The Highest/Lowest Point On Terrain



Update Vegetation

This Will Update All Vegetation Models On Terrain That Has Been Changed.

Important Press "UPDATE" To Update Any Changes Made To Terrain Vegetation



Settings

TerraTrees Settings

Optional Enable/Disable "Normal Tree Placement On Entire Terrain" (NORMAL TREES MODE)

Optional Enable/Disable "Show Console Hints" In Unity Editor Log Messages

▼ SETTINGS

Normal Tree Placement On Entire Terrain

Show Console Hints

✓

